

a step of accumulating, for each of the types of color filters provided for the pixels of the solid-state image-sensing device, signal levels of image signals output from those of the pixels which are sensing a low color saturation region in which color saturation is low;

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a step of setting, based on the signal levels of the image signals accumulated for each of the types of color filters provided for the pixels of the solid-state image-sensing device, correction constants with which to counterbalance amounts of light transmitted through the color filters provided for the pixels that are sensing the low color saturation region;

a step of producing corrected image signals by multiplying by the correction constants the image signals output from the pixels of the solid-state image-sensing device that are sensing the low color saturation region; and

a step of using, as luminance signals for the image signals, signals produced by adding together the corrected image signals and smoothed image signals produced by smoothing image signals obtained from one set after another of a plurality of adjacent pixels, wherein the corrected image signals and the smoothed image signals are added together with predetermined weights assigned thereto based on the color saturation values of the image signals.

REMARKS

The above amendment to the claim has been made put the application in better condition for examination. No new matter has been added.

In the event that any fees are due in connection with this paper, please charge our Deposit Account No. 01-2300.

Respectfully submitted,

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